Indent no 28285

Original / Duplicate / Triplicate SBR.No SBR-24/2020-21

CONTRACT CERTIFICATE

No. **3rd and Final Bill** (For Other Works) Date. dt.07/10/2020

Division:- Byatarayanapura Division Sub-Division:- Byatarayanapura Sub-Division

Estimate Cost (Rs.):- 245.00 Lakhs

Bill Received No .....Dated.....Cash Book Voucher No.....dated.....

Scheduled Docket No: Head of Account: **P-3111 SFC untied grant works** D.R. No:

Name of Work (as per sanctioned):- **[Package-2, includes 5 works of Rs.245.00 lakhs]** (1).Improvements to Roads and Drains at Mariyannapalya Church to Defence Layout and Dynasty Layout in Ward No:06,Byatarayanapura Sub Division. (2).Improvements to Drains and Asphalting to Roads at Balaji layout Near Railway Gate in Ward No:06 Byatarayanapura Sub Division. (3).Improvements to Drains and Asphalting to Roads at Vidyasagara Layout and Surrounding area in Ward No: 06 Byatarayanapura Sub Division. (4).Improvements to Drains and Asphalting to Roads at Bharathnagara saw mill Road in Ward No: 06 Byatarayanapura Sub Division. (5).Improvements to Drains and Asphalting to Roads at Shiradi Sai Nagar and Hegadenagar in Ward No:06 Byatarayanapura Sub Division.

Job Code:- 006-18-000058, 006-18-000060, 006-18-000061, 006-18-000062, 006-18-000063

Name of Contractor and Full Address: **Sri.G.Venatesh, HAL 2nd stage, Indiranagara, Bangalore.**

Reference to Agreement No /**WO No: BBMP/EE/BTP/ WO/10/2018-19, Dt:-25-06-2018.**

Certified that the measurements were taken by me on 15.06.2020 and recorded of Pages No. 53 to 5359/19-20 of measurement Book No: 5359/19-20 and that the work is satisfactorily executed. 30.6.2018 (53 to 801-11)

G. Venkatesh

Signature of Contractor

Officer-in-charge of work

Certified that the measurements were taken by me on 15/6/2020 and found correct. The work is satisfactorily executed.

Certified that the quantities of materials shown in column 3 of Account II have been actually brought to site of the work and the contractor has not previously received any advance on this security. These materials are of an imperishable nature and are all required for immediate use on the work in connection with items for finished work have been agreed upon. A normal agreement signed and executed by the contractor is recorded in the office.

Sub-Division Officer

	If Memorandum of Payment	
1)	Total value of work done or supplies made as per account within	Total: 24133000.00
2)	Deduct amount to be held in reserve being.....percent Rs.....	
3)	Balance	
4)	Deduct Payment :	
a)	Amount of previous payment as in the Office Cash Book Voucher No.....Dated.....S.D No..... Amount adjusted towards cash advance recovery of	upto 2nd & Part Bill (previous) 20269675.00 3rd & Final Bill (TTB) 3863325.00
b)	Payments cost store or other materials supplied. Now made recovery of amount creditable to this/other work Amount paid On this bill Cheque/Cash s bill Cheque/Cash	It 38634.00 Cost 34494.00 Sest 34494.00 Cest 38634.00 CBF 3869.00
5)	Balance being unpaid value of work done held in reserve	Ded. 150125.00
6)	Deduct cash advance made on the office Cash Book Voucher No..... date .....less adjustments	
7)	Net amount due to or from contractor Unadjusted items	
8)	Advance to contractor for materials brought to site (as detailed) within value of Government materials supplied	Cheque 3713200.00

G. Venkatesh

Contractor's Signature

Received Rs.....(in works)

.....

By Cash and by adjustment of Payment as per memorandum. (For use in the Office)

Witnesses:

1.

2.

Dated..... **Signature of Contractor**

Paid by me by cheque No..... Dated.....

Cash Rs..... Dated.....

Initials of Officer Making Payment

P3111 SFC-Untied Grant Works ರಡಿ ಹಾಲು ಮೊತ್ತದಲ್ಲಿ ರೂ.3863325/- ಗಳನ್ನು ಪಾವು ಮಾಡಿದೆ ರೂ. 150125/- ಗಳನ್ನು ಹೊಂದಾಣಿಕೆ ರೂ. 3713200/- ಗಳನ್ನು

19/2/21

Executive Engineer 19/02

Sl. No	Items of work (grouped under sub-heads the sub-works of the estimate)	Unit	Previous		Present Mesurement			Total up-to-date		Rmks
			Qty	Amount	Qty	Rate	Amount	Qty	Amount	
1	KSRRB M300-1. Earthwork excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 1.5 m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications. MORTH / Chapter 3 (P.No. 133, I.No. 19.1 of PW, P&IWTD SR 2016-17).	Cum	3228.02	614938.00	Qty upto 125% 139.74	190.50	26620.00	3418.46	646449.00	
					Qty Beyond 125% 50.70	96.46	4891.00			
2	Providing granite slabs of selected quality roughly dressed having a size of 7.5 cms thick and fixed in cement mortar (1:6) including fixing curing etc., complete 5.31.1).	Sqm	3244.38	2408141.00	0.00	742.25	0.00	3244.38	2408141.00	
3	KSRRB M300-14. Excavation for roadwork in all type of soil with hydraulic excavator of 0.9 cum bucket capacity including cutting and loading in tippers, trimming bottom and side slopes, in accordance with requirements of lines, grades and cross sections, and transporting to the embankment location to a lead of 1.00 km and complete as per specifications. MORTH Specification No.301 (P.No. 142, I.No. 19.14 of PW, P&IWTD SR 2016-17).	Cum	1848.49	273577.00	274.78	148.00	40667.00	2123.27	314244.00	
4	KSRRB M400-17. Providing, laying, spreading and compacting graded stones aggregate to wet mix macadam specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed method of tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications. MORTH Specification No. 406 (P.No. 157, I.No. 20.18 of PW, P&IWTD SR 2016-17).	Cum	1619.78	3207164.00	352.56	1980.00	698069.00	1972.34	3905233.00	
5	KSRRB M500-6. Providing and applying primer coat with S.S. bitumen emulsion on prepared surface of granular base such as WBM,WMM ,including clearing of road surface and spraying primer at the rate of 0.60 kg / sqm using mechanical means complete as per Specifications. MORTH Specification No. 502 (P.No. 160, I.No. 21.6 of PW, P&IWTD SR 2016-17).	Sqm	5274.27	162184.00	3301.13	30.75	101510.00	8575.40	263694.00	
6	KSRRB 500-2. Cleaning the existing black topped surface with brooms, soft brushes and finally dusting with old gunny bags and / or compressed air to receive bituminous treatment including cost of all materials, labour, HOM of machineries complete as per specifications. MORTH / Chapter 5 (P.No. 160, I.No. 21.2 of PW, P&IWTD SR 2016-17).	Sqm	19156.10	67046.00	2872.00	3.50	10052.00	22028.10	77098.00	
7	KSRRB 500-7. Providing and applying tack coat using 80/100 grade Bitumen (VG10) on the prepared black topped surfaces at 2.5 kg per 10 sqm , heating bitumen in boiler fitted with spray set (excluding cleaning of road surface) including cost of all materials, labour, HOM of machineries complete as per specifications. MORTH/Chapter 5 (P.No. 160, I.No. 21.7 of PW, P&IWTD SR 2016-17).	Sqm	19156.10	249030.00	7131.52	13.00	92710.00	26287.62	341740.00	
8	KSRRB M500- 19. Providing, laying bituminousConcrete using 40/60 THP capacity H.M.P with Mechanical paver Gr-II(30mm to 45mm), crushed aggregates of specified grading premixed with 6% VG 30 grade bituminous binder and , transporting the hot mix to work site , laying to the required level and grade, rolling with wheeled , vibratory and tandeem rollers to achieve the desired density as per MORT&H specification clause No. 500.9 complete in all respects as per specifications. MORTH Specification No. 509(P.No. 164, I.No. 21.22.6 of PW, P&IWTD SR 2016-17).	Cum	766.24	6080115.00	285.26	7935.00	2263538.00	1051.50	8343653.00	

9	KSRRB M800-13. Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads at 250 gms per sqm area, thickness of 2.5 mm is exclusive of surface applied glass beads as per IRC:35. The finished surface to be level, uniform and free from streaks and holes complete as per specifications. MORTH Specification No. 803(P.No. 197, I.No. 24.15 of PW, P&IWTD SR 2016-17).	Sqm	389.96	235926.00	558.26	605.00	337747.00	948.22	573673.00	
10	KSRB 5-14 : Providing and constructing load bearing wall with solid concrete blocks of size 400x200x200mm having block density not lessthan 1800kg/m3 and having a minimum average compressive strength 4.00 N/mm2 confirming to IS 2185 (part) : 2005 and constructed with CM 1:4 as per IS 2572:2005 including cost of all materials, labour charges, scaffolding, curing complete as per specifications. KBS No.5.4(5.26.1).	Sqm	0.00	0.00	0.00	1107.00	0.00	0.00	0.00	
11	KSRB 4-6.5 : Providing and removing centering, shuttering, strutting, propping etc., for columns, pillars, post and structs, square/rectangular/polygon in plan including cost of all materials, labour complete as per specifications. Specification No. KBS 4.6.2 (P.No. 16, I.No.4.32 of PW, P&IWTD SR 2016-17).	Sqm	2014.11	867835.00	0.00	432.50	0.00	2014.11	867835.00	
					0.00	430.56	0.00			
12	KSRB 4.2.2 : Providing and laying in position reinforced cement concrete of design mix M20 with OPC cement @ 320kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.69cum and fine aggregates @ 0.460 cum, with super plasticisers @ 3 liters confirming to IS 9103-1999 reafirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in foundation for footings, pedastals, retaining walls, return walls, walls (any thickness) including attached pilasters, columnspillars, posts, struts, buttresses, bed blocks, anchor blocks & plinths etc., including cost of all materials, labour, HOM of machinery, curing, complete but excluding cost of reinforcement as per specifications. Specification No. KBS 4.1, 4.6(P.No. 13, I.No.4.11 of PW, P&IWTD SR 2016-17).	cum	270.93	1910189.00	0.00	6992.50	0.00	270.93	1910189.00	
					0.00	7071.34	0.00			
13	KSRB 4.9.2 : Providing T .M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. Specification No. KBS 4.6.3 (P.No. 17, I.No. 4.46.3 of PW, P&IWTD SR 2016-17).	Tonne	16.06	1158068.00	0.00	74925.00	0.00	16.06	1158068.00	
					0.00	71298.07	0.00			
14	KSRB 4-1.2 : Providing and laying in position plain cement concrete of mix 1:3:6 with OPC cement @ 220kgs, with 40mm and down size graded granite metal coarse aggregates @ 0.465cum machine mixed, concrete laid in layers not exceeding 15cms thick, well compacted, in foundation including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2. (P.No. 12, I.No. 4.2 of CSR 2015-16).	Cum	308.12	1814041.00	0.00	5883.75	0.00	332.59	1959298.00	
					Qty Beyond 125% 24.47	5936.11	145257.00			

15	Cement concrete pavement. Construction of un-reinforced plain cement concrete pavement,thickness as per design, over a prepared sub base with OPC cement or any other type as per clause 1051.2.2 design mix M20/M30, with 25mm and down size graded granite metal coarse aggregates and fine aggregtes , with superplastisiser @3lts confirming to IS9103-1999 Reaffirmed-2008 , mixed in a concrete mixer of not less than 0.6 cum capacity and appropriate weigh batcher as per approved mix design, laid in approved fixed side form work (steel channel, laying and fixing of 125 micron thick polythene film, wedges,steel plates including levelling the form work as per drawing). Spreading the concrete with shovels, rackers compacted using needle, screed and plate vibrator and finished in a continuous operation including provision of contraction, expansion, construction and longitudinal joints, joint filler, separation membrane, selant primer, joint sealant, admixtures as approved, curing compound, finishing to lines and grades as per drawing complete as per specifications. M20 (at 300Kg per cum coarse aggregate @ 0.64cum and fine aggregate @ 0.43cum) (22.2.66).	Cum	114.36	692993.00	24.96	6059.75	151251.00	139.32	844244.00	
16	Vaccum de-watering with vaccum pump and suction mat and compaction with skin floater clubbed with floating disc including cost of generator, HOM of machinery, screed vibratory, power floater, blade and disc etc., with all lead and lift.(22.7).	Sqm	1393.80	148091.00	166.40	106.25	17680.00	1560.20	165771.00	
EIRL-1	EIRL-1. KSRRB M300- Construction of embankment with material Gravel/Murrum. KSRRB M300-53. Construction of embankment with approved material Gravel/Murrum with all lifts and leads, transporting to site, spreading, grading to required slope and compacting to meet requirement table 300-2 complete as per specifications.(Including cost of gravel/murrum, watering charges & compaction by vibratory roller to 95% of proctors density) MORTH Specification No.305 (P.No. 147/ I.No. 19.60 of CSR 2016-17).	Cum	994.38	380181.00	0.00	382.33	0.00	994.38	380181.00	
	Total:-			20269519.00			3889992.00		24159511.00	
3rd & Final Bill Amount:- Rupees Thirty Eight Lakhs Eifhty Nine Thousand Nine Hundred and Ninety Two Only.										

CERTIFICATE :-

1.Certified that the work done is satisfactory.
2.There is no departmental issues by B.B.M.P.
3.All the debris have been cleared from the work spots by Agency.

Asst.Engineer
Ward No.06, BBMP

Asst.Executive Engineer
Byatarayanapura Sub-division